

KENWOOD

CD DSP EQUALIZER

D705*i*

INSTRUCTION MANUAL

KENWOOD CORPORATION



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96/12 11 10 98 7 6 5 4 3 2 1 95/12 11 10 98 7 6 5 4 3 2

Specifications

Specifications subject to change without notice.

DSP/Equalizer section

A/D Converter	Fifth-order $\Delta \Sigma$ modulation	18 bit 64 times over sampling
D/A Converter	Second-order $\Delta \Sigma$ modulation	18 bit 96 times over sampling
Equalizer center frequency (Hz)	60, 120, 250, 500, 1k, 2k, 4k, 8k, 16k	
Equalizing Range (dB)	-12 ~ +12	

CD section

Laser Diode	GaAlAs ($\lambda=780$ nm)
Digital Filter	.8 Times Over Sampling
D/A Converter	.1 Bit
Spindle Speed	500 ~200 rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	5 Hz ~ 20 kHz (± 1 dB)
Total Harmonic Distortion	0.01 % (1 kHz)
S/N Ratio	96 dB
Dynamic Range	96 dB
Channel Separation	96 dB

General

Operating Voltage	14.4 V (11 ~ 16 V allowable)
Current Consumption	0.9 A
Installation Size (W $\times$ H $\times$ D)	182 $\times$ 53 $\times$ 155 mm (7-3/16 $\times$ 2-1/16 $\times$ 6-1/8 in.)
Weight	1.5 kg

Safety precautions

⚠WARNING

Take the following precautions to prevent fire and avoid personal injury :

- Check that no metal objects (coins, tools, etc.) are left inside the unit to avoid short circuits.
- If you smell or see smoke, turn the power off immediately and consult your Kenwood dealer.

⚠CAUTION

Take the following precautions to keep the unit in proper working order.

- Do not open the top or bottom cover.
- Do not install the unit in places it is exposed to direct sunlight, high heat or humidity, water may splash over it, or dust exists.

NOTE

- If you have difficulty in installing this unit in your vehicle, contact your Kenwood dealer.
- If it doesn't seem to be working properly, first press the Reset button of center unit. If the malfunction persists, consult your Kenwood dealer.

Cleaning the unit

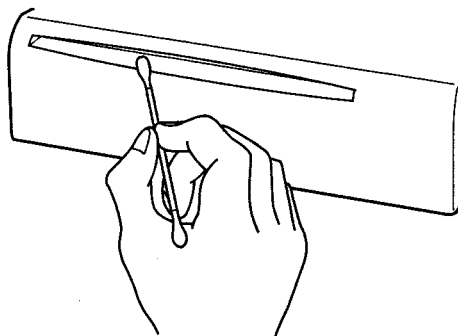
- If the front panel is dirty, wipe it clean with a silicon cloth or soft dry cloth with the power off.

⚠CAUTION

Do not use hard cloths or paint thinner, alcohol, or other volatile solvents. These may damage external surfaces or remove indicator characters.

Cleaning the CD slot

- Since dust accumulates in the CD slot, it will sometimes need to be cleaned. Discs loaded in dusty slots may be damaged.



Heat protection

- In warm climates, when vehicles are left standing in direct sunlight with the windows closed, the temperature inside can rise above 60°C. The unit's protection circuits will then display the message "HOLD" and prevent the player from operating. Just open the windows or turn on the air conditioning. As soon as the "HOLD" message disappears on the center unit, the player will operate normally.

HOLD

- The temperature inside the unit rises when you use the unit with the high volume level. If this occurs while you are listening to CD, the unit stops CD play to protect the laser pick-up, and the display shows "H-HOLD" on the center unit. The protection circuits are automatically cancelled in about 15 minutes, and the CD play will be resumed reducing 10 dB of the previously set volume level.

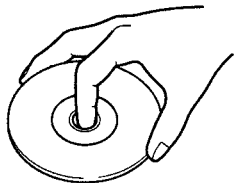
H-HOLD

Handling compact discs

Stains, scratches, or warping can cause skipping, malfunction, or low sound quality. Take the following precautions to avoid damage to the compact discs.

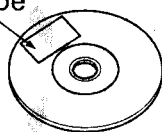
Holding a disc

- Avoid touching the recorded side (the side without the titles on) when you hold a compact disc.



- Do not stick paper tape, etc. on either stick of the disc.

Paper tape

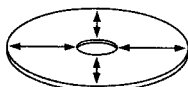


Storing your discs

- Do not store discs where they will be exposed to direct sunlight (such as on the seat and dashboard) or high heat.
- If you do not use your unit for an extended time, remove the discs from the unit and put them in their cases. Do not leave them lying around without cases, piled up, or leaning on a wall and so on.

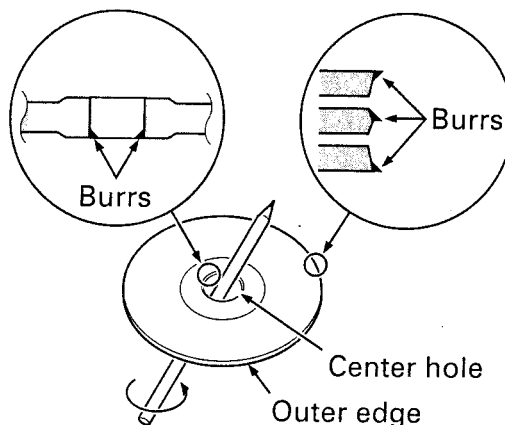
Cleaning your discs

- If there are stains on a disc, wipe them off with a cleaning cloth or a soft cotton cloth, wiping from the center to the edge. Never use conventional record cleaners, anti static agent, paint thinner, benzine, or other chemicals.



Check your new discs

- Some new discs have burrs on their outer edges or around the hole in the center. Discs with burrs may not fit properly on the player, causing skipping when they are played. Use a ballpoint pen or similar instrument to remove the burrs.



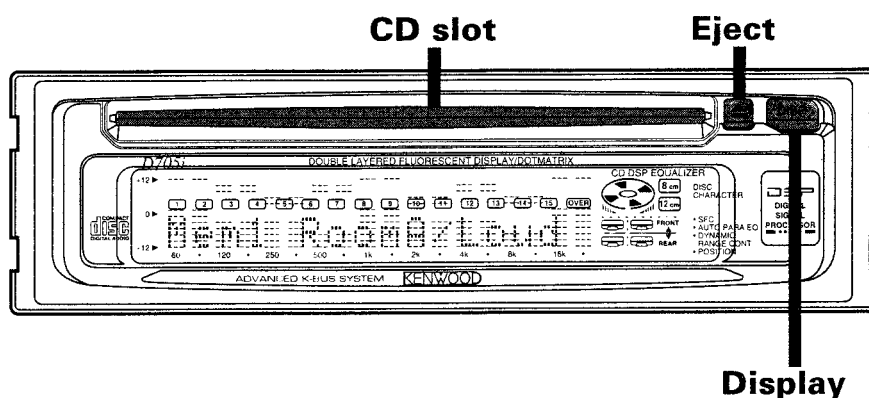
Disc accessories

- Stabilizers, protective seals, and other disc accessories on the market, which claim to offer improved sound quality or disc protection, may cause this unit to malfunction. They should not be used on discs played in this unit.

D705i operation and connection

For operations connect the unit to R705i or Z705i, other than for instances described below. For details of how to control the D705i, see the R705i or Z705i Instruction Manual.

For details of connections, additionally refer to the R705i or Z705i Instruction Manual.



To play compact discs

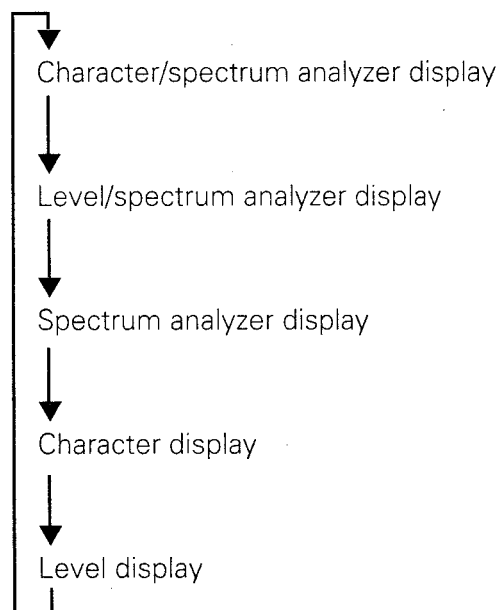
Insert a CD with the title side up.
When you enter CD mode, "CD" will be displayed, and CD playing will start.

To change the display

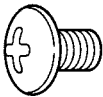
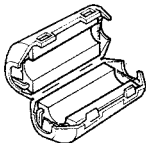
Press the Display button.
Each time the button is pressed, the display changes as follows:

To stop and eject

Press the Eject button.
CD play stops and the disc is ejected.



Accessories

Part name	External view	Number of items
Machine screw (M5 × 6)		4
Bind screw (M4 × 6)		1
Ferrite core		2